



## Sequence Listing

<110> Bayer Aktiengesellschaft  
<120> Anti-Kazlauskas-Lipases  
<130> LeA 35 991  
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<170> PatentIn version 3.1

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<223> bacterial

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ggc cat cgc cac cat ccg tcc atg ctc ctc att atg ggc ctg ggc ggc 96  
Gly His Arg His His Pro Ser Met Leu Leu Ile Met Gly Leu Gly Gly  
20 25 30  
cag tta atc gac tgg ccc gag gag ttc atc cgg ggg ctg gct gaa cga 144  
Gln Leu Ile Asp Trp Pro Glu Glu Phe Ile Arg Gly Leu Ala Glu Arg  
35 40 45  
ggc ttc cgg gta atc tgt ttc gac aac cgc gac gcg ggg ctt tcg acg 192  
Gly Phe Arg Val Ile Cys Phe Asp Asn Arg Asp Ala Gly Leu Ser Thr  
50 55 60  
aaa ctt gaa ggc gtg aaa aaa ccg aac att gcc cgg gta ttt ctc ctg 240  
Lys Leu Glu Gly Val Lys Lys Pro Asn Ile Ala Arg Val Phe Leu Leu  
65 70 75 80  
gcg agc atg ggc cta aag ccc agg gtg cct tac acc ctc gac gac atg 288  
Ala Ser Met Gly Leu Lys Pro Arg Val Pro Tyr Thr Leu Asp Asp Met  
85 90 95  
gcc ctg gac acc gtg ggg ctg atg gat gcc ctg ggc att gag agc acc 336  
Ala Leu Asp Thr Val Gly Leu Met Asp Ala Leu Gly Ile Glu Ser Thr  
100 105 110  
cac gta gtt ggc gtc tcc atg ggc ggc atg att gcg cag att cta ggg 384  
His Val Val Gly Val Ser Met Gly Gly Met Ile Ala Gln Ile Leu Gly  
115 120 125  
gcg aag cac ggg gag cgg gtg aaa tcc ctt acc ctg atg att acc tcc 432  
Ala Lys His Gly Glu Arg Val Lys Ser Leu Thr Leu Met Ile Thr Ser  
130 135 140  
tcc ggc aac ccc cgc atg ccg gcg ccc agg ccg cag gtg ctg caa aag 480  
Ser Gly Asn Pro Arg Met Pro Ala Pro Arg Pro Gln Val Leu Gln Lys  
145 150 155 160

ttt atg cgg gtg ccc aag agc atg gat aag gaa gag tgg att aaa tac	528
Phe Met Arg Val Pro Lys Ser Met Asp Lys Glu Glu Trp Ile Lys Tyr	
165 170 175	
aac ttg gag ctt tta acc acc atc ggc agc ccc ggg ttg gac cgg gag	576
Asn Leu Glu Leu Leu Thr Thr Ile Gly Ser Pro Gly Leu Asp Arg Glu	
180 185 190	
aag ctg gcc tta gac gtg agg aag agc ata gag cgg tgc ctt tgc ccc	624
Lys Leu Ala Leu Asp Val Arg Lys Ser Ile Glu Arg Cys Leu Cys Pro	
195 200 205	
gaa ggc acg cag cgg cag ctg gca gcc atc ctg cag agc ggc agc agg	672
Glu Gly Thr Gln Arg Gln Leu Ala Ala Ile Leu Gln Ser Gly Ser Arg	
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gtg aag ctg ctc cgg cgg atc gct gtc ccc acc ctg gtc atc agc ggg	720
Val Lys Leu Leu Arg Arg Ile Ala Val Pro Thr Leu Val Ile Ser Gly	
225 230 235 240	
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Ala Glu Asp Pro Leu Leu Pro Tyr Gln Cys Gly Arg Asp Ile Ala Asp	
245 250 255	
cat atc ccg gga gcc cgc ttc gag ctc atc gag ggc atg ggg cac gac	816
His Ile Pro Gly Ala Arg Phe Glu Leu Ile Glu Gly Met Gly His Asp	
260 265 270	
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Ile Pro Glu Arg His Ile Pro Arg Leu Ile Glu Leu Ile Ala Gly His	
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Gln Leu Ile Asp Trp Pro Glu Glu Phe Ile Arg Gly Leu Ala Glu Arg	
35 40 45	

Gly Phe Arg Val Ile Cys Phe Asp Asn Arg Asp Ala Gly Leu Ser Thr  
50 55 60

Lys Leu Glu Gly Val Lys Lys Pro Asn Ile Ala Arg Val Phe Leu Leu  
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Ala Ser Met Gly Leu Lys Pro Arg Val Pro Tyr Thr Leu Asp Asp Met  
85 90 95

Ala Leu Asp Thr Val Gly Leu Met Asp Ala Leu Gly Ile Glu Ser Thr  
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His Val Val Gly Val Ser Met Gly Gly Met Ile Ala Gln Ile Leu Gly  
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Ala Lys His Gly Glu Arg Val Lys Ser Leu Thr Leu Met Ile Thr Ser  
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Ser Gly Asn Pro Arg Met Pro Ala Pro Arg Pro Gln Val Leu Gln Lys  
145 150 155 160

Phe Met Arg Val Pro Lys Ser Met Asp Lys Glu Glu Trp Ile Lys Tyr  
165 170 175

Asn Leu Glu Leu Leu Thr Thr Ile Gly Ser Pro Gly Leu Asp Arg Glu  
180 185 190

Lys Leu Ala Leu Asp Val Arg Lys Ser Ile Glu Arg Cys Leu Cys Pro  
195 200 205

Glu Gly Thr Gln Arg Gln Leu Ala Ala Ile Leu Gln Ser Gly Ser Arg  
210 215 220

Val Lys Leu Leu Arg Arg Ile Ala Val Pro Thr Leu Val Ile Ser Gly  
225 230 235 240

Ala Glu Asp Pro Leu Leu Pro Tyr Gln Cys Gly Arg Asp Ile Ala Asp  
245 250 255

His Ile Pro Gly Ala Arg Phe Glu Leu Ile Glu Gly Met Gly His Asp  
260 265 270

Ile Pro Glu Arg His Ile Pro Arg Leu Ile Glu Leu Ile Ala Gly His  
275 280 285

Ala Ala Ala Ala Glu Ala  
290